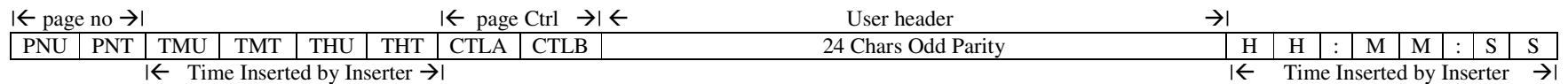


## Example of Teletext Single Row upload to the Teletext Inserter

### Format of Teletext Rows up upload to the Teletext Inserter.

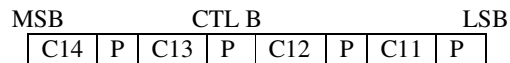
Loading Teletext information into the Teletext Inserter is achieved one row at a time, any row on any page within any magazine can be uploaded at anytime, this gives maximum flexibility when updating a single teletext row or a complete teletext page.

### The teletext row 0 is formed as follows



- 1) The Page number (PNU/PNT) to be supplied Hamming encoded.
- 2) Time (TMU/TMT/THU/THT) will be inserted automatically by the inserter and should be supplied set to 0x15 (Hamming encoded 0x00)
- 3) Control (CTRLA / CTRLB) to be supplied Hamming encoded. Note - Magazine Mode Bit is overridden by the Inserter.
- 4) 24 Char User Header to be supplied 8 bit with Odd Parity.

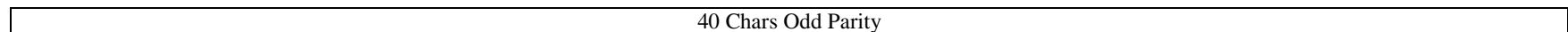
### Control A & Control B



#### Control A & B Bytes

C11 - Magazine Mode (Note this is Fixed in the Inserter to '0')	C7 - Suppress Header
C12 - Character Set	C8 - Update
C13 - Character Set	C9 - Out of Sequence Header
C14 - Character Set	C10 - Inhibit Teletext

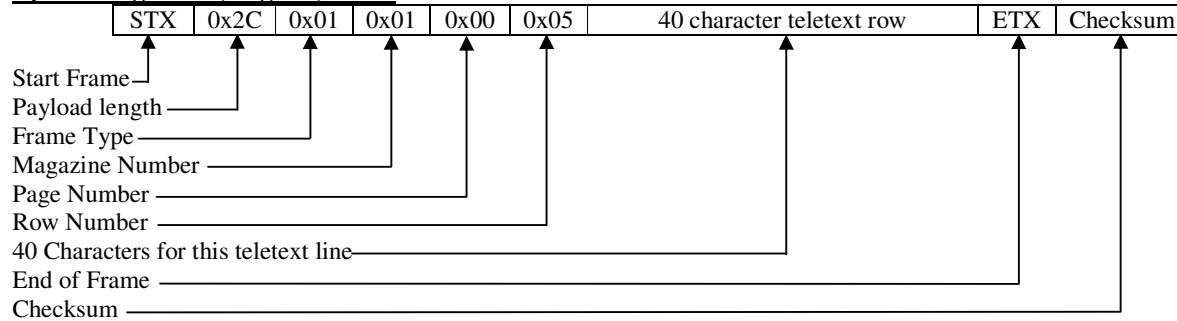
Teletext Rows 1 – 23 are formed as follows



**Uploading a Row of Teletext information to the Inserter example.**

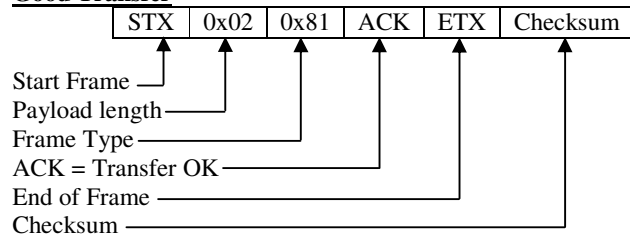
Send a Single Packet to the inserter of Frame type 0x01 (Write row Request)

**Upload Magazine 1, Page 00, Row 5**



A single reply packet will be returned by the inserter of Frame Type 0x81 (Write row Reply)

**Good Transfer**



**Bad Transfer**

